

IN THE CLAIMS

Please cancel claims 7, 10, and 17-21.

Please amend the claims as follows.

- 1 1. (Currently Amended) A projectile comprising:
2 a substantially rigid body portion that includes an axial cylindrical hole at a front
3 of the body portion;
4 at least one deployable member that is in a retracted position within the body
5 portion when the projectile is fired; and
6 a nose piece ~~coupled to a front of the body portion,~~ having at least a portion within
7 the axial cylindrical hole of the body portion, wherein the nose piece includes at least one
8 shear member that comprises an annular ring portion of the nose piece that is larger in
9 diameter than the axial cylindrical hole, wherein the at least one shear member is sheared
10 off when the nose piece contacts a target, thereby causing the nose piece to move inside
11 of the body portion, thereby moving the at least one deployable member to a deployed
12 position.
- 1 2. (Original) The projectile of claim 1 wherein the body portion comprises bronze.
- 1 3. (Original) The projectile of claim 1 wherein the nose piece comprises plastic.
- 1 4. (Original) The projectile of claim 1 wherein the at least one deployable member
2 comprises hardened steel.
- 1 5. (Original) The projectile of claim 1 wherein the at least one deployable member
2 comprises a plurality of knife members, each knife member having a sharp edge that is
3 outside of the body portion when in the deployed position.

1 6. (Currently Amended) The projectile of claim 1 wherein the nose piece is friction-fit
2 into ~~an~~ the axial cylindrical hole in the body portion.

1 7. (Cancelled)

1 8. (Original) The projectile of claim 1 wherein the body portion comprises a portion of
2 full diameter, and a portion of reduced diameter for receiving a sabot.

1 9. (Currently Amended) A projectile comprising:
2 a substantially rigid body portion, the body portion including an axial cylindrical
3 hole at a front of the body portion, the body portion further including first and second
4 slots on opposite sides of the body portion that extend from the axial cylindrical hole
5 through the body portion;
6 a first deployable knife member that includes a first cutting edge that is in a
7 retracted position inside the first slot when the projectile is fired;
8 a second deployable knife member that includes a second cutting edge that is in a
9 retracted position inside the second slot when the projectile is fired; [[and]]
10 a nose piece friction-fit into the axial cylindrical hole at the front of the body
11 portion, wherein the nose piece includes at least one shear member that is sheared off
12 when the nose piece contacts a target, thereby causing the nose piece to move inside of
13 the body portion, thereby moving the first deployable knife member in a deployed
14 position with the first cutting edge extending outside the first slot, and thereby moving
15 the second deployable knife member in a deployed position with the second cutting edge
16 extending outside the second slot; and
17 a cylindrical groove near the bottom of the axial cylindrical hole, wherein a first
18 tab portion of the first deployable knife member extends into the cylindrical groove when
19 the first deployable knife member is in the deployed position, and wherein a second tab
20 portion of the second deployable knife member extends into the cylindrical groove when
21 the second deployable knife member is in the deployed position.

1 10. (Cancelled)

1 11. (Original) The projectile of claim 9 wherein the first deployable knife member
2 comprises a first raised member that has a height that makes a thickness of the first
3 deployable knife member greater than a thickness of the first slot in the body portion,
4 thereby retaining the first deployable knife member within the body portion until the nose
5 piece forces the first raised member into the first slot when the first deployable knife
6 member is moved into the deployed position when the projectile contacts the target.

1 12. (Original) The projectile of claim 11 wherein the first deployable knife member
2 comprises a second raised member that has a height substantially greater than the first
3 raised member, the second raised member holding a portion of the first deployable knife
4 member inside the body portion when the first deployable knife member is in the
5 deployed position outside of the first slot.

1 13. (Original) The projectile of claim 9 wherein the body portion comprises a portion of
2 full diameter, and a portion of reduced diameter for receiving a sabot.

1 14. (Original) A projectile comprising:
2 a substantially rigid body portion, the body portion including an axial cylindrical
3 hole at a front of the body portion, the axial cylindrical hole having a cylindrical groove
4 near the bottom of the axial cylindrical hole, the body portion further including first and
5 second slots on opposite sides of the body portion that are offset from each other by the
6 width of one of the first and second slots;
7 a nose piece friction-fit into the axial cylindrical hole at the front of the body
8 portion, wherein the nose piece includes at least one shear member that is sheared off
9 when the nose piece contacts a target, thereby causing the nose piece to move inside of
10 the body portion;
11 a first deployable knife member that includes a first cutting edge that is in a
12 retracted position inside the first slot when the projectile is fired, wherein the first
13 deployable knife member comprises a first raised member that has a height that makes a
14 thickness of the first deployable knife member greater than a thickness of the first slot in
15 the body portion, thereby retaining the first deployable knife member within the body
16 portion until the projectile contacts a target, wherein the first deployable knife member
17 comprises a second raised member that has a height substantially greater than the first
18 raised member, the second raised member holding a portion of the first deployable knife
19 member inside the body portion when the first deployable knife member is in the
20 deployed position with the first cutting edge outside of the first slot, wherein a first tab
21 portion of the first deployable knife member extends into the cylindrical groove when the
22 first deployable knife member is in the deployed position, wherein movement of the nose
23 piece inside the body portion causes the nose piece to push the first deployable knife
24 member to the deployed position;
25 a second deployable knife member that includes a second cutting edge that is in a
26 retracted position inside the second slot when the projectile is fired, wherein the second
27 deployable knife member comprises a first raised member that has a height that makes a

(claim 14 continued)

28 thickness of the second deployable knife member greater than a thickness of the second
29 slot in the body portion, thereby retaining the second deployable knife member within the
30 body portion until the projectile contacts a target, wherein the second deployable knife
31 member comprises a second raised member that has a height substantially greater than the
32 first raised member, the second raised member holding a portion of the second deployable
33 knife member inside the body portion when the second deployable knife member is in the
34 deployed position with the second cutting edge outside of the second slot, wherein a
35 second tab portion of the second deployable knife member extends into the cylindrical
36 groove when the second deployable knife member is in the deployed position, wherein
37 movement of the nose piece inside the body portion causes the nose piece to push the
38 second deployable knife member to the deployed position.

1 15. (Original) The projectile of claim 14 wherein the axial cylindrical hole in the body
2 portion includes a v-shaped bottom, and wherein the first and second deployable knife
3 members each comprise a v-shaped portion that lies in the v-shaped bottom when the first
4 and second deployable knife members are in their deployed positions.

1 16. (Original) The projectile of claim 14 wherein the body portion comprises a portion of
2 full diameter, and a portion of reduced diameter for receiving a sabot.

1 17-21 (Cancelled)

1 22. (Currently Amended) A method for expanding the size of a projectile upon contact
2 with a target, the method comprising the steps of:
3 (A) firing the projectile at the target, the projectile comprising:
4 a substantially rigid body portion that includes an axial cylindrical hole at
5 a front of the body portion;
6 at least one deployable member that is in a retracted position within the
7 body portion when the projectile is fired; and
8 a nose piece ~~coupled to a front of the body portion~~ having at least a portion
9 within the axial cylindrical hole of the body portion, wherein the nose piece
10 includes an annular ring portion that is larger in diameter than the axial cylindrical
11 hole;
12 (B) upon contacting the target, the force of the impact of the projectile on the
13 target shearing off ~~a portion~~ the annular ring portion of the nose piece to move the nose
14 piece within the body portion, the movement of the nose piece within the body portion
15 deploying the at least one deployable member to a deployed position.

1 23. (Original) The method of claim 22 wherein the deployment of the at least one
2 deployable member causes the at least one deployable member to lock into place in the
3 deployed position.

Please add the following new claims.

1 24. (New) The projectile of claim 14 wherein the at least one shear member comprises an
2 annular ring portion of the nose piece that is larger in diameter than the axial cylindrical
3 hole.

1 25. (New) A projectile comprising:
2 a substantially rigid body portion, the body portion including an axial cylindrical
3 hole at a front of the body portion, the body portion further including first and second
4 slots on opposite sides of the body portion that extend from the axial cylindrical hole
5 through the body portion;
6 a first deployable knife member that includes a first cutting edge that is in a
7 retracted position inside the first slot when the projectile is fired;
8 a second deployable knife member that includes a second cutting edge that is in a
9 retracted position inside the second slot when the projectile is fired; and
10 a nose piece having at least a portion within the axial cylindrical hole of the body
11 portion, wherein the nose piece includes an annular ring portion of the nose piece that is
12 larger in diameter than the axial cylindrical hole, wherein the annular ring portion is
13 sheared off when the nose piece contacts a target, thereby causing the nose piece to move
14 inside of the body portion, thereby moving the first deployable knife member in a
15 deployed position with the first cutting edge extending outside the first slot, and thereby
16 moving the second deployable knife member in a deployed position with the second
17 cutting edge extending outside the second slot.